

PolyOne Geon™ Vinyl Flexible B7501 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-B7501-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66	66	15 sec; ASTM D2240
	75	75	ASTM D2240
Tensile Strength at Break	13.1 MPa	1900 psi	510 mm/min; ASTM D638
Tensile Strength	5.52 MPa	801 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	380 %	380 %	510 mm/min; ASTM D638
Tear Strength	43.8 kN/m	250 pli	Die C, 510 mm/min; ASTM D624
Clash Berg Modulus	0.145 GPa	21.0 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-43.3 °C	-45.9 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	174 - 179 °C	345 - 354 °F	

Descriptive Properties	Value	Comments
Agency Ratings	NSF 51	BLACK 2999. Max. Temp. of use = 100 degrees F.
Features	Medium Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	

Descriptive Properties	Value	Comments
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

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